



ST4 PROJECT FELLOWSHIP OPPORTUNITY

[Link to Fellowship Application](#)

Today, it is increasingly important and challenging to keep up with advances in Information and Communications Technology (ICT) while expanding current instructional strategies. The National Center for Teacher Education at Maricopa County Community College District and the National Science Foundation (NSF) recognize this educational need and, therefore, are offering fellowship opportunities for qualified Arizona Career and Technical Education (CTE) teachers to participate in a two-year training program.

Student and Teacher Technology Transformation Teams (ST4) is an NSF funded project for increasing the ability of secondary Science, Technology, Engineering, and Mathematics (STEM) teachers and students to collaboratively learn and apply STEM skills using ICT. This project will provide teachers and students the opportunity to work in teams to produce Design-Based Learning Labs (DBLLs) that consist of technical solutions to current, real-world problems. Producing and evaluating DBLLs helps students understand the processes and interactions encountered in professional work environments and stimulates development of in-depth technical knowledge and skills. The proposed training will include Arizona CTE teachers and students in the statewide programs of Agricultural Business Management/Agriscience, Bioscience, Engineering Sciences, and Information Technologies.

Fellowships Include

- Stipends for teachers up to \$400 the first year and \$700 the second year
- Tuition for CTE 210 and CTE 230 Instructional Technology course
- Instructional technology publications
- Workshops and online professional development
- Access to a closed beta, game-based learning management system
- Access to college faculty and experts in the field
- Follow-up instructional technology support
- Participation in a community of learning
- Opportunities to present to a national audience

Eligibility Requirements

Applicants must:

1. Currently be teaching in an Arizona high school in one of the following CTE content areas.
 - Agricultural Business Management/Agriscience
 - Bioscience
 - Engineering Sciences
 - Information Technology
2. Agree to participate in the program for two years.

Terms and Conditions

1. Upon acceptance, Fellows are required to:
 - Complete online orientation modules to be completed before the one-day pre-conference workshop at the ACTE Arizona Summer Conference.
 - Attend a one-day pre-conference workshop at the ACTE Arizona Summer Conference in Tucson, July 2012.
 - Attend a one-day pre-conference workshop at the ACTE Arizona Summer Conference in Tucson, July 2013.
2. Select two student leaders from their CTE class each year to work collaboratively in creating content for the classroom. (Student participants are eligible for a stipend of up to \$25 per semester.)
3. Participate in online professional development and videoconferences.
4. Complete required evaluations during workshops and online professional development.
5. Participate in project/Fellowship surveys for research purposes.
6. Be willing to give the content you create during the program a Creative Commons license (so that other teachers can copy and use as long as they give attributions).

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There are a limited number of fellowships available. Be sure to apply early! Applications are reviewed on a **first-come, first-served** basis.

For more additional information about the ST4 project, visit <http://st4stem.com>. For specific Fellowship questions, contact Jeannette Shaffer, Project Director, at 480-731-8062 or st4stem@gmail.com.